



# UKS2 A– Animals Including Humans



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National Curriculum Objectives	Declarative Knowledge	Procedural Knowledge
<ul style="list-style-type: none"> <li>Describe the changes as humans develop to old age</li> </ul>	<p><b>Lesson 1) What is the human life cycle?</b></p> <ul style="list-style-type: none"> <li>Know the order of the different stages of human development.</li> <li>Know the six stages of human development.</li> </ul> <p>types of Reproduction: Read and explain the differences between asexual and sexual reproduction. In groups, children need to be given the Asexual and Sexual Reproduction Sorting Cards. Children categorise the cards into three groups. Children take a picture of their categorised cards. Children will walk around the class looking at the way that other groups have categorised the cards. Groups discuss their categorisation and whether they want to change any of the cards. Children write a short explanation for why they changed the card on a post-it note and add it to the card before taking a picture of their re-categorised cards (This can be used for assessment). Sorting Activity Answers: Show groups the answers. Discuss any misconceptions – i.e. male seahorses get pregnant and give birth but they still reproduce sexually not asexually. Groups correct and then take a final picture of their cards. (These should be printed off and stuck side by side in their books so that they can see how their thinking evolved as a group.)</p> <p><b>Lesson 2) Why do babies change so fast?</b></p> <ul style="list-style-type: none"> <li>Know and show an understanding of how babies grow in height.</li> </ul> <p><b>Lesson 3) What happens as we grow old?</b></p> <ul style="list-style-type: none"> <li>Know and explain the main changes that occur in old age.</li> </ul> <p><b>Lesson 4) How does the human body change during puberty?</b></p> <ul style="list-style-type: none"> <li>Know the main changes that occur during puberty.</li> <li>Know the reasons why changes occur during puberty.</li> <li>Know some similarities between what girls and boys experience during puberty.</li> </ul>	<ul style="list-style-type: none"> <li>To be able to draw a timeline that indicates the stages in growth and development in humans (they should learn about the changes experienced in puberty).</li> <li>To be able to research the gestation periods of other animals and compare them with humans.</li> <li>To be able to find out and record the length of and mass of a baby as it grows.</li> </ul>



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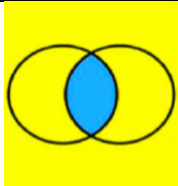






	<ul style="list-style-type: none"> <li>Know some differences between what girls and boys experience during puberty.</li> </ul> <p><b>Lesson 5) How does the life cycle of another animal compare to a human?</b></p> <ul style="list-style-type: none"> <li>Know that all animals have a life cycle.</li> <li>Compare human and animal life cycles.</li> </ul>				
<b>Prior Learning</b>	<b>Key Questions</b>	<b>Future Learning</b>			
<p><b>In Year 4 Children should:</b></p> <ul style="list-style-type: none"> <li>Describe the simple functions of the basic parts of the digestive system in humans.</li> <li>Identify the different types of teeth in humans and their simple functions.</li> </ul>	<ul style="list-style-type: none"> <li>What do humans look like?</li> <li>Do all animal embryos look the same?</li> <li>How do humans change?</li> <li>Why do humans change?</li> <li>What causes puberty?</li> <li>What changes do we go through during puberty?</li> <li>Are there any patterns between vertebrate animals and their gestation periods?</li> </ul>	<p><b>In Year 6 Children will:</b></p> <ul style="list-style-type: none"> <li>Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</li> <li>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.</li> <li>Describe the ways in which nutrients and water are transported within animals, including humans.</li> </ul>			
<b>Vocabulary</b>	<b>Key Scientists</b>	<b>Linked Texts</b>			
Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty, Hormone, Physical, Emotional.	<p><b>Dr Steve Jones</b> (Geneticist)</p> <p><b>Prof Robert Winston</b> (Human Scientist)</p>	<p><b>Hair in Funny Places</b> (Babette Cole)</p> <p><b>Giant</b> (Kate Scott)</p> <p><b>You're Only Old Once</b> (Dr. Seuss).</p>			
<b>Teaching Ideas</b>					
<b>Comparative tests</b>	<b>Identify &amp; Classify</b>	<b>Observation over time</b>	<b>Pattern seeking</b>	<b>Research</b>	<b>Big Question</b>
How does age affect a human's reaction time?	Can you identify all the stages in the human life cycle?	How do different animal embryos change?	Is there a relationship between a mammal's size and its gestation period?	Why do people get grey/white hair when they get older?	Why and how does the human body change over time?
Who grows the fastest, girls or boys?					



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